

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A complementary fan rotational speed control apparatus for simultaneously monitoring the rotation speeds of two or more fans, comprising:

a control unit for outputting pulse width modulation ~~(PWM)~~ control power supply;

a first fan ~~connecting~~ connected to the control unit, the first fan to receive receiving the PWM pulse width modulation control power supply from the control unit, having a first rotation speed when activated and output outputting a first rotation pulse signal to the control unit; and

a second fan ~~connecting~~ connected to the control unit, the second fan to receive receiving the PWM pulse width modulation control power supply from the control unit, having at a second rotation speed when activated and output outputting a second rotation pulse signal to the control unit;

wherein the control unit detecting an actual rotation speed of the first fan based on the first rotation pulse signal and an actual rotation speed of the second fan based on the second rotation pulse signal, the control unit comparing the actual rotation speed of the first fan with the first rotation speed and comparing the actual rotation speed of the second fan with the second rotation speed, when the actual rotation speed of either the first fan or the second fan decreases is lower than the first

rotation speed, the control unit increasing the actual rotation speed of other the second fan increases to maintain cooling effect for elements which require heat dissipation and issuing a warning signal is issued to alert malfunction of the first fan.

2. (Original) The complementary fan rotational speed control apparatus of claim 1, wherein the first fan and the second fan are selectively axial fans or radial fans.

3. (Currently Amended) A complementary fan rotational speed control method for simultaneously monitoring the rotation speeds of two or more fans, comprising steps of:

~~a-~~ outputting pulse width modulation ~~(PWM)~~ control power supply from a control unit to activate a first fan and a second fan;

obtaining a first rotation speed of the first fan when the first fan is activated and a second rotation speed of the second fan when the fsecond fan is activated;

~~b-~~ transferring rotation pulse signals from the first fan and the second fan to the control unit after the first fan and the second fan have been activated, the control unit detecting the actual rotation speeds of the first fan and the second fan based on the received rotation pulse signals; and

comparing the actual rotation speed of the first fan with the first rotation speed and comparing the actual rotation speed of the second fan with the second rotation speed;

~~e. actuating one of the fans to increase~~ increasing the actual rotation speed of the second fan by the control unit when the actual rotation speed of the first fan is ~~detected~~ decreasing lower than the first rotation speed; ~~7~~ and

issuing a warning signal to ~~secure cooling effect and increase the service life of the fans~~ alert malfunction of the first fan.

4. (New) The complementary fan rotational speed control apparatus of claim 1, wherein when the actual rotation speed of the second fan is lower than the second rotation speed, the control unit increases the actual rotation speed of the first fan and issuing a warning signal to alert malfunction of the second fan.

5. (New) A complementary fan rotational speed control method of claim 3, further comprising:

increasing the actual rotation speed of the first fan when the actual rotation speed of the second fan is lower than the second rotation speed; and

issuing a warning signal to alert malfunction of the second fan.